

Constellation Project Astronomy

For this project you will be creating a power point explaining two constellations. You can choose to present one of the constellations for extra points.

Choose two constellations from the list below. Create at least a 10 page powerpoint covering the basic information on the constellations.

Basic Information that needs to be covered:

- A picture of the stars that represent your constellation.
- Bright stars in the constellation
- Other interesting objects in the constellation: galaxies, nebulas, star clusters
- What the constellation represents.
- At least two other constellations that are near this constellation.
- Stories (mythology) related to that constellation.
- Include one of these options
 - What the constellation represents in another culture (Chinese, Native American, Mayan, ect.) and stories if possible.
- What time of year is the constellation most prominent in the sky.

You will be graded on the accuracy of the information, creativity, and completeness.

Constellations:

Andromeda	Auriga	Hydra	Hercules
Aries	Leo	Libra	Bootes
Pisces	Gemini	Virgo	Draco
Pegasus	Perseus	Scorpius	Delpinus
Taurus	Orion	Canes Venenci	Lyra
Andromeda	Cancer	Ophiuchus	Aquila
Cetus	Eridanus	Crater	Aquarius
Capricornus	Canis Major	Corvus	Sagittarius
Ursa Major	Leo Minor	Ursa Minor	Cygnus
Cephus	Cassiopea	Lyra	Corona Borealis

Objects besides stars within constellations:

Planetary nebula: hot gas and dust thrown off from a dying star similar in size to our sun.

Supernova nebula: hot gas and dust thrown off from a supernova (death of a star much larger than our sun).

Emission nebula: an area of hot dust and gas that is currently forming stars.

Dark nebula: an area of dust and gas that may form stars in the future. Emits little or no light.

Elliptical, Spiral and Irregular galaxies – different types of galaxies that are in our universe.

Open star cluster: young star group containing 100's of stars that formed together and are held together gravitationally.

Globular Star Clusters: old star group containing 100's of stars that formed together and are held together gravitationally.